

Figure 1: Example of virtual concatenation

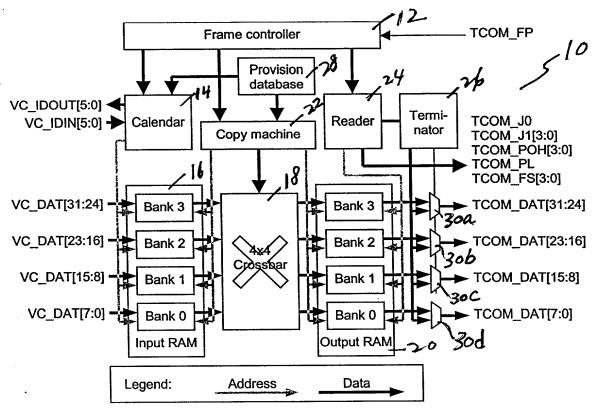


Figure 2: Block diagram of TVCP-48

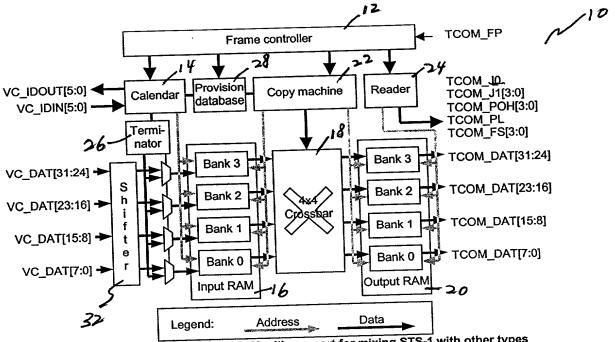


Figure 3: Block diagram of TVCP-48 with support for mixing STS-1 with other types

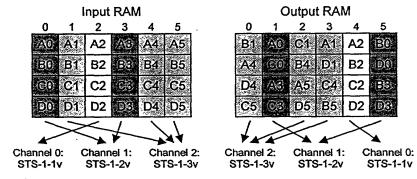
Fig. 44
Example Channel Mapping

Channel	0 .	1		2			
Bandwidth	STS-1-1v	STS-	1-2v	STS-1-3v			
Timeslot	4	1	5	3	0	2	
Sequence Number	0	0	/	0	/	2	

## **Example Calendar and Sequence Number Setting**

Fig. 4 b

Timeslot	0	1	2	3	4	5
Channel	1	2	0	1	2	2
Sequence Number	1	0	2	0	0	1



F19 4C: Footprint of Data Bytes in Input RAM and Output RAM

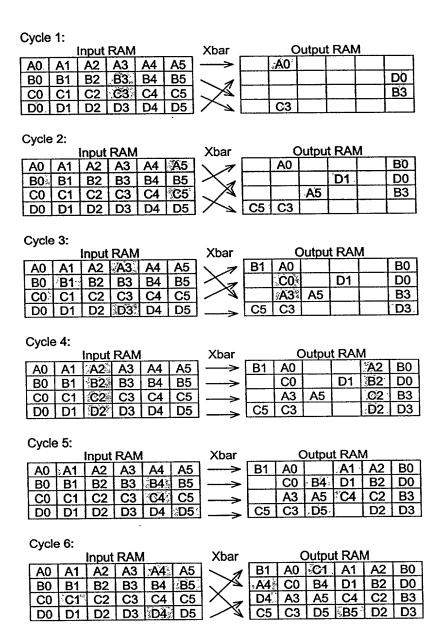


Figure 5 Data Movement from Input RAM to Output RAM

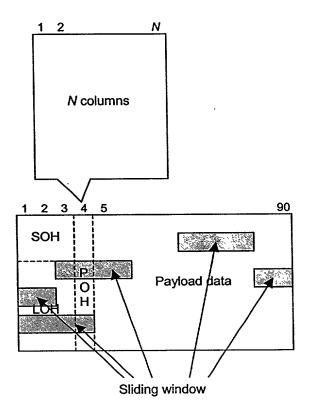


Figure 6 Sliding Window Across a SONET/SDH Frame

 $F_{ij} \cdot 7$  SPE Mapping of Different Traffic Types

Timeslot	1	2	3	4	5	6	7	8	9	10	11	12	1	2	
STS-1	POH1	POH2	РОН3	РОН4	POH5	РОН6	POH7	РОН8	РОН9	POH10	POH11	POH12	D1	D2	
STS-3c	POH1	POH2	РОНЗ	POH4	D1	D2	D3	D4	D1	D2	D3	D4	D1	D2	
STS-12c	POH	FS	-FS	FS	D	D	D	D	D	D	D	D	D	D	
STS-24c	POH FS	FS FS	FS FS	FS FS	D D										
STS-36c	POH FS FS	FS FS FS	FS FS	FS FS FS	D D D	D D D	D D D	D D	D D D	D D D	D D D	D D D	D D D	D D D	
STS-48c	POH FS FS FS	FS FS FS	FS FS FS FS	FS FS FS	D D D	D D D	D D D	D D D	D D D	D D D	D D D	D D D	0000	D D D	  

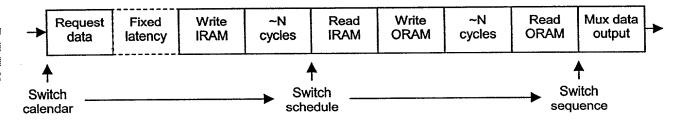


Fig.8: Pipeline Stages of the TVCP Datapath

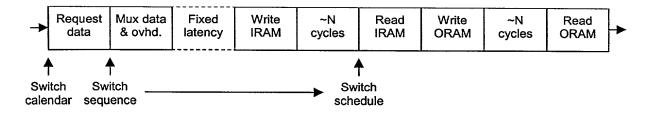


Figure 9. Pipeline Stages of the TVCP Datapath for Early Overhead Insertion

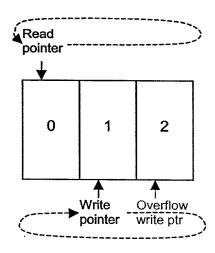


Fig. 10: Trip le Buffer in Input RAM